

## Model Description

<b>FCC ID</b> : APYHRO00077	<b>Model Name</b> : 930SH
<b>Destination</b> : Japan Market only	<b>Brand Name</b> : SoftBank
<b>Emission Type</b> : GSM(PCS) ----- GXW	<b>Type of Equipment</b> : Cellular Phone / Bluetooth and FeliCa enable

### RF-section

Items		Items
Cellular Phone	<b>Technical Specification</b>	<b>3GPP R99</b>
	Frequency Band	WCDMA 2000MHz(band I) : Tx 1922.6 to 1977.4MHz, Rx 2112.6 to 2167.4MHz NOTE: Band I does not operate in USA  GSM 900MHz : Tx 880.2 to 914.8MHz, Rx 925.2 to 959.8MHz 1800MHz : Tx 1710.2 to 1784.8MHz, Rx 1805.2 to 1879.8MHz 1900MHz : Tx 1850.2 to 1909.8MHz, Rx 1930.2 to 1989.8MHz NOTE: GSM900/1800MHz Band do not operate in USA
	Tx Power	WCDMA : 24dBm+1dB/-3dB  GSM 900MHz : 33dBm±2dB(GSM/GPRS) 1800MHz: 30dBm±2dB(GSM/GPRS) 1900MHz: 30dBm±2dB(GSM/GPRS)
	Transmission Technology	WCDMA : DS/CDMA, FDD GSM : FDMA/TDMA
	Data Transmission	GSM GPRS: GMSK GSM GPRS Class 10 (Total 5slots, TX: max 2 / RX: max 4)
	Voice Codec	WCDMA : AMR GSM : EFR/ FR
	Antenna	Integrated Antenna: Reversed L Type Antenna ----- See attached construction drawing
	Bluetooth	Technical Specification
Frequency Band		TX 2402MHz to 2480MHz RX 2402MHz to 2480MHz
Tx Power		Class2, Nominal 0dBm (Max +4dBm / min -6dBm)
Type of Modulation		GFSK
Transmission Technology		FHSS
Antenna		Integrated Antenna ---- See attached construction drawing Reversed L-Type / Gain= 0 dBi
RF ID (FeliCa)	Technical Specification	NFCIP-1(ISO/IEC18092)
	Frequency Band	13.56 -13.56MHz
	Type of Modulation	ASK(10%)
	Antenna	Integrated Loop Antenna----- See attached construction drawing

### Class B Personal computer PERIPHERAL DEVICE

Items		Items
USB	Clock Frequency	26MHz, 208MHz
	USB Data Cable / Connector	Shielded / Unshielded

## Feature

Cell Phone Feature	SIM		Plug-in 3V SIM card slot	
	Display			
		Main	2.95inch,16,777,216colors TFT(ASV), 854x480(FWVGA) with Backlight	
		Sub	0.8inch,(Organic EL), 96x16 dots	
	Camera			
		Main	CCD 8.5M pixel	
		Sub	CIF-CMOS	
	Battery/ Talk time			
		Battery Capacity	710mAh	
		Battery type	Rechargeable Lithium-Ion Battery	
		standby time	WCDMA 350h / GSM 320h	
		talk time	WCDMA 250min. / GSM 240min.	
	Dimensions			
		Target size	48.0(W) x 105.0(D) x 17.3(H)mm (Close position)	
	Target weight	110g		
Key Layout			Soft key (2keys), Navigation key (4keys), Center key (include sensor key), Custom key (2keys), functional key(3key), 0-9 numeric keys, Send/End keys, "*", "#", "Clear" and 4 side keys	

## Interface

External I/F	Headset connector		For Stereo Headset (10 pins)
	MCPC connector		For USB Cable or PC Link cable or AC Charger
	SIM card terminal		1 slot
	SD Card connector		For micro SD card (1 slot)
	Integrated charger circuit		The terminals of charging are for using a cradle.

## Accessory

Accessory	AC Charger		Optional Accessories, Input AC 100 to 240V Output DC 5.4V/700mA
	Battery		Inbox Accessories, Lithium-Ion,DC3.7V 710mAh
	Stereo Handsfree(Headset)		Optional Accessories
	USB Data Cable		Optional Accessories